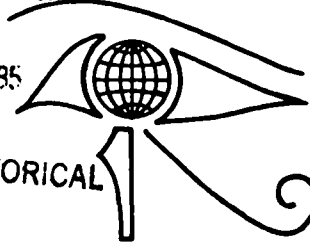


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Geosight

SEP 27 1985



GEOPHYSICAL EXPLORATION AND REMOTE SENSING

MARYLAND HISTORICAL
TRUST

Consultation

Field Surveys

Interpretation

BRUCE W. BEVAN, OWNER
POST OFFICE BOX 135
(200 EAST AVENUE)
PITMAN, NEW JERSEY 08071
USA

25 September 1985

Elizabeth C. Brown
Maryland Historic Trust
State House, 21 State Circle
Annapolis, Maryland 21401

Dear Elizabeth,

Here are three copies of my report on the Benjamin Banneker site; I have also sent one directly to Kristen. A full set of the radar profiles will be arriving in a mailing tube.

Thanks for asking me to help on this project. While the radar unfortunately detected little, I hope that it has been a small help at this site.

Very best regards,

Bruce Bevan

A RADAR SURVEY
AT THE BENJAMIN BANNEKER SITE

25 September 1985

prepared for: Kristen Peters
1742 Eastern Avenue
Baltimore, Maryland 21231

and: Elizabeth C. Brown
Maryland Historic Trust
State House, 21 State Circle
Annapolis, Maryland 21401

by: Bruce Bevan
Geosight
P.O. Box 135
Pitman, New Jersey 08071

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This has suggested that the velocity of the radar pulse in the soil here is about 0.28 ft/ns.

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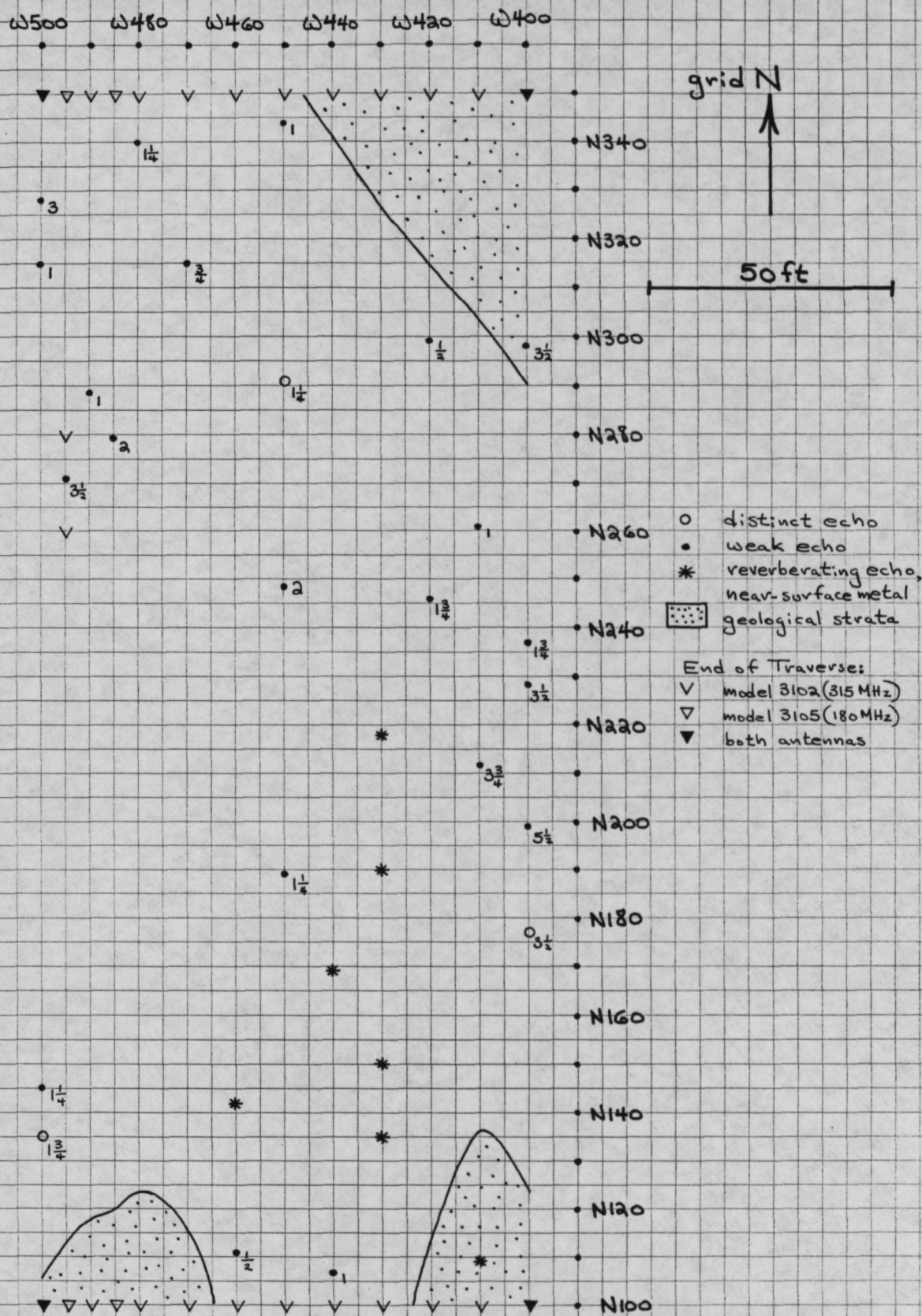
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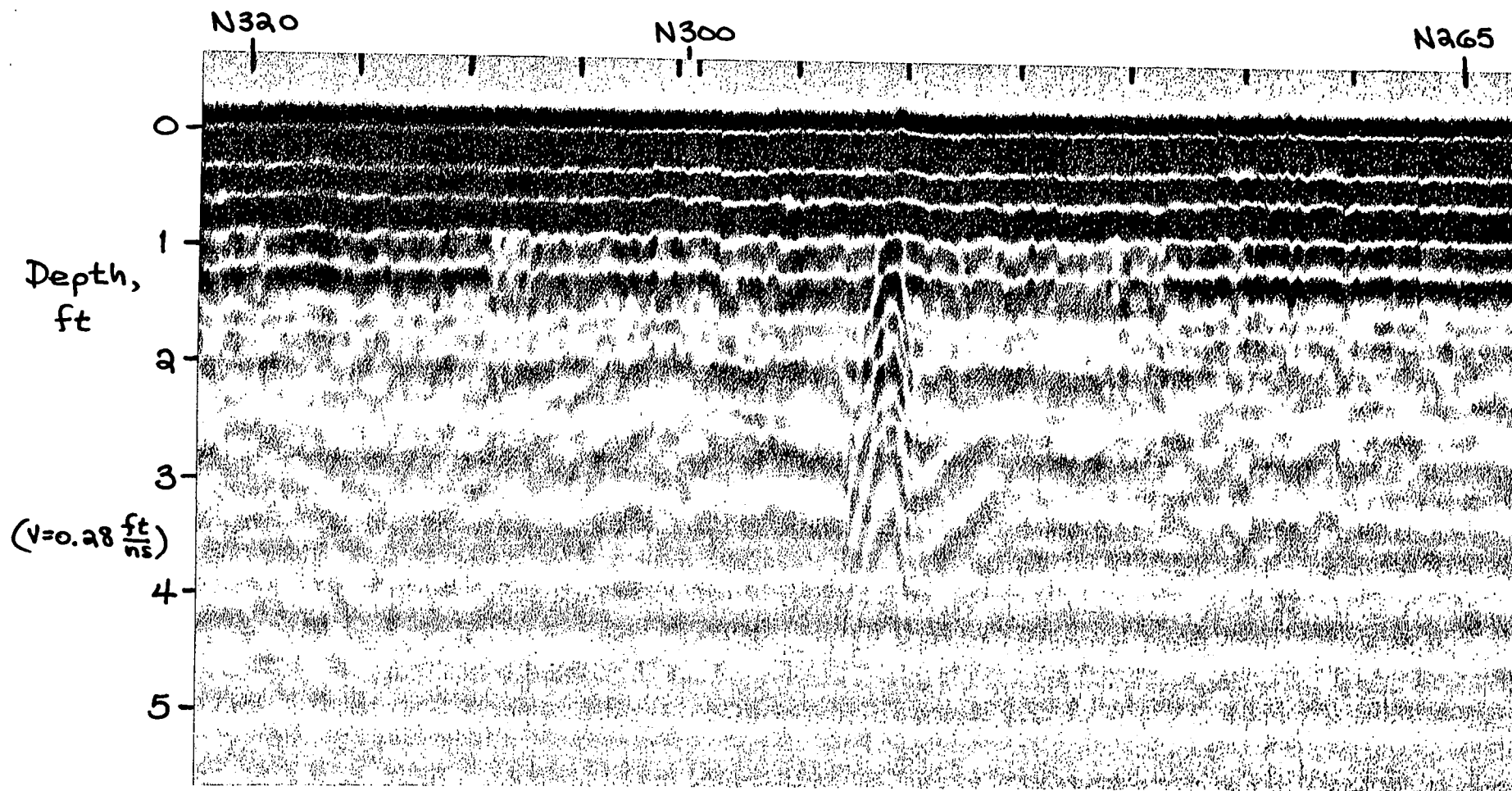


Radar Echo Map, Benjamin Banneker site

Survey 5, 6 September 1985 with SIR System-7 radar
 numbers in grid indicate echo depth, in feet,
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Figure 1

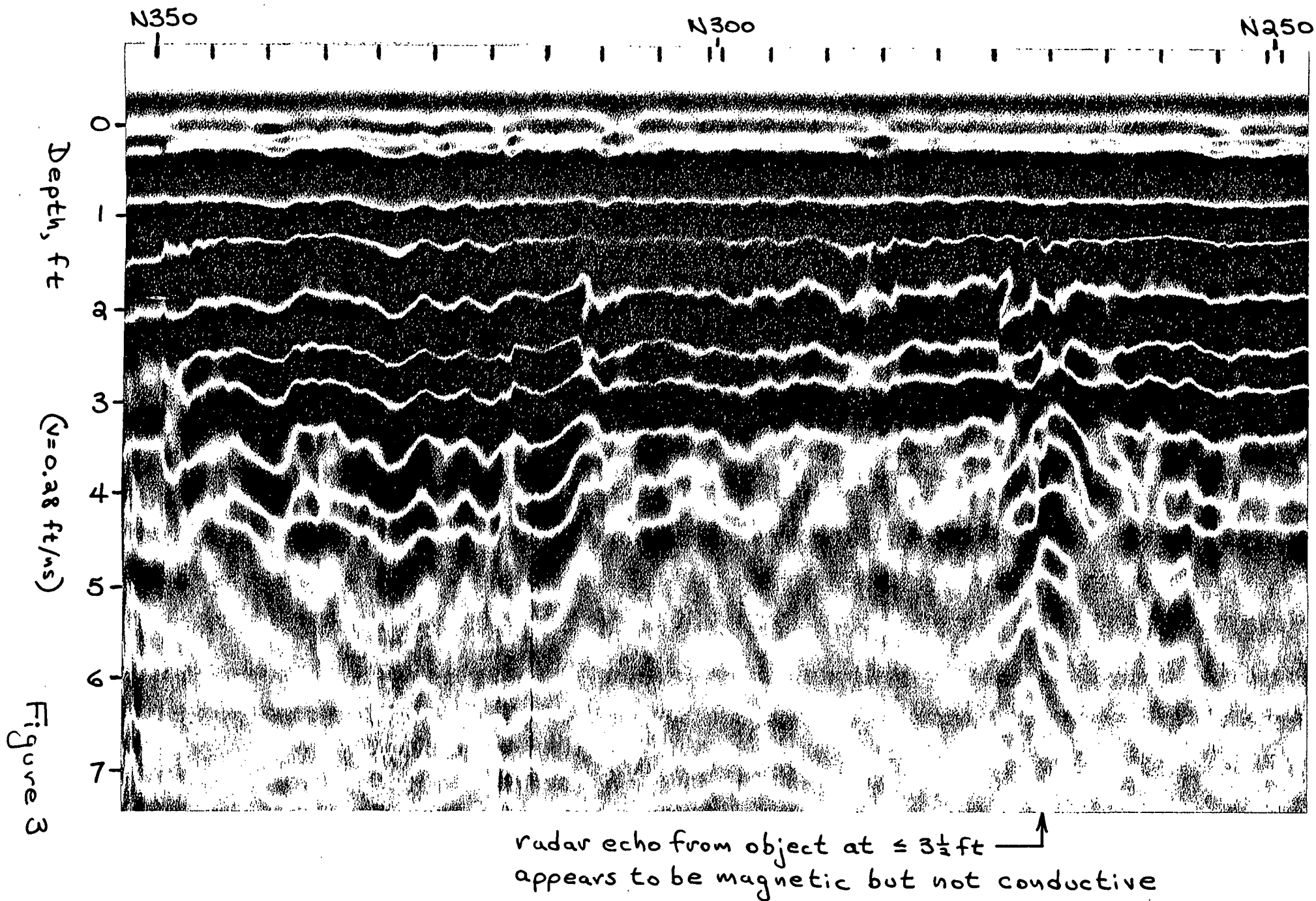
line W450, markers at 5 ft intervals, model 3102 (315 MHz) antenna, 5 Sep 85



Strong echo from object at $1\frac{1}{4}$ ft
could be metal

Figure 9

line W495, markers at 5 ft intervals, model 3105 (180 MHz) antenna, 6 Sep 85



line W400
markers at 5 ft intervals
model 3102 (315 MHz) antenna
survey 6 Sep 85

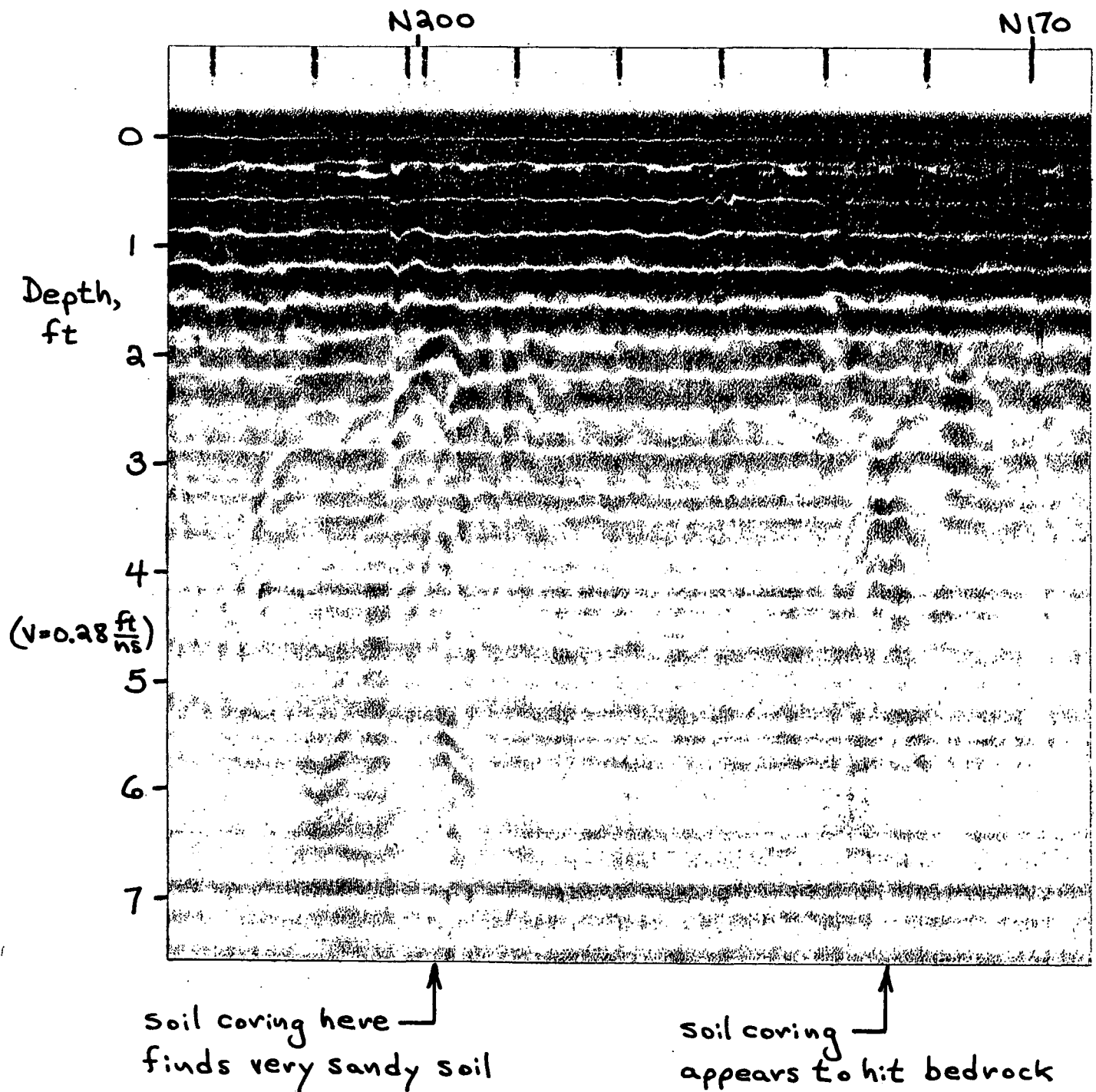


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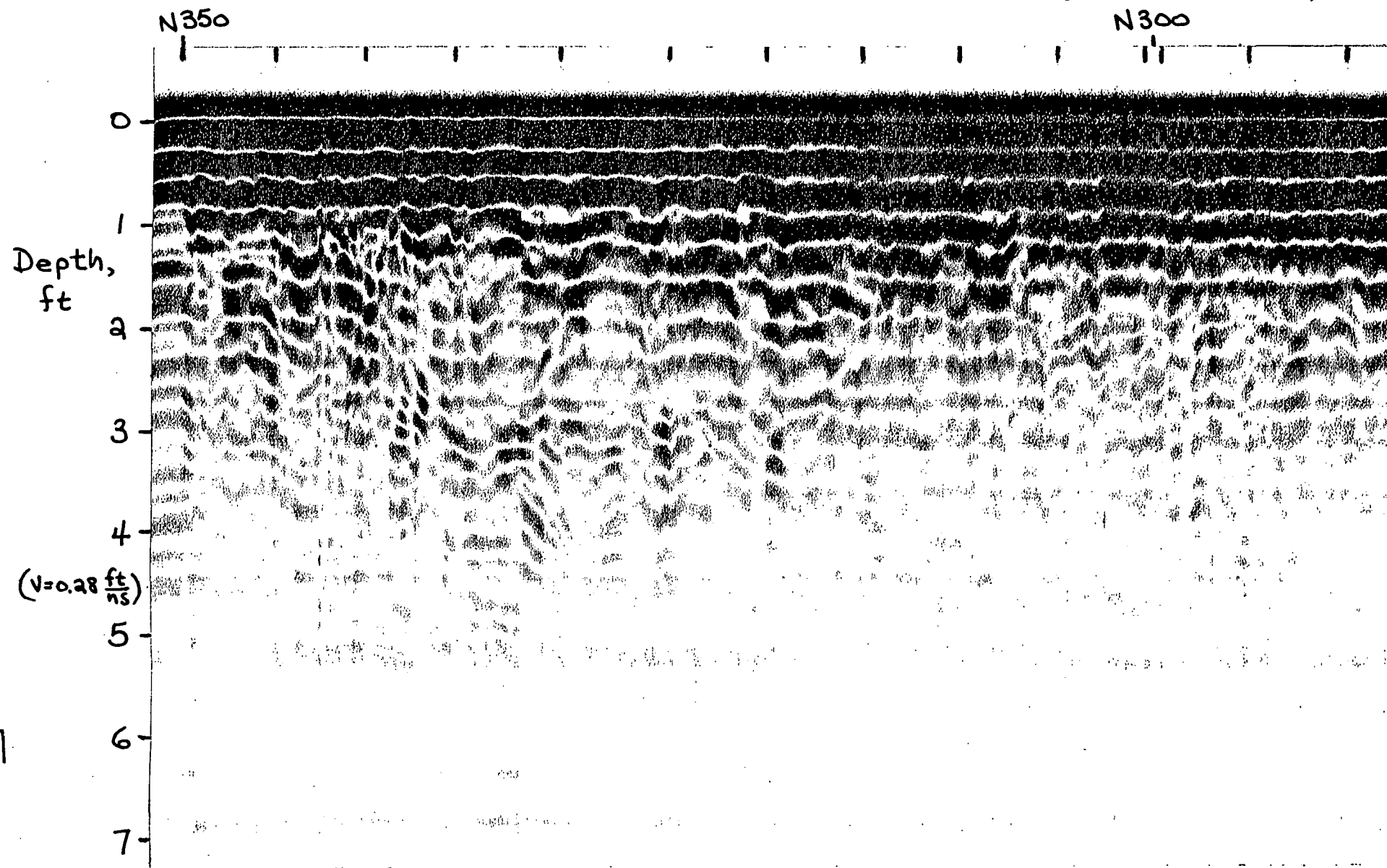


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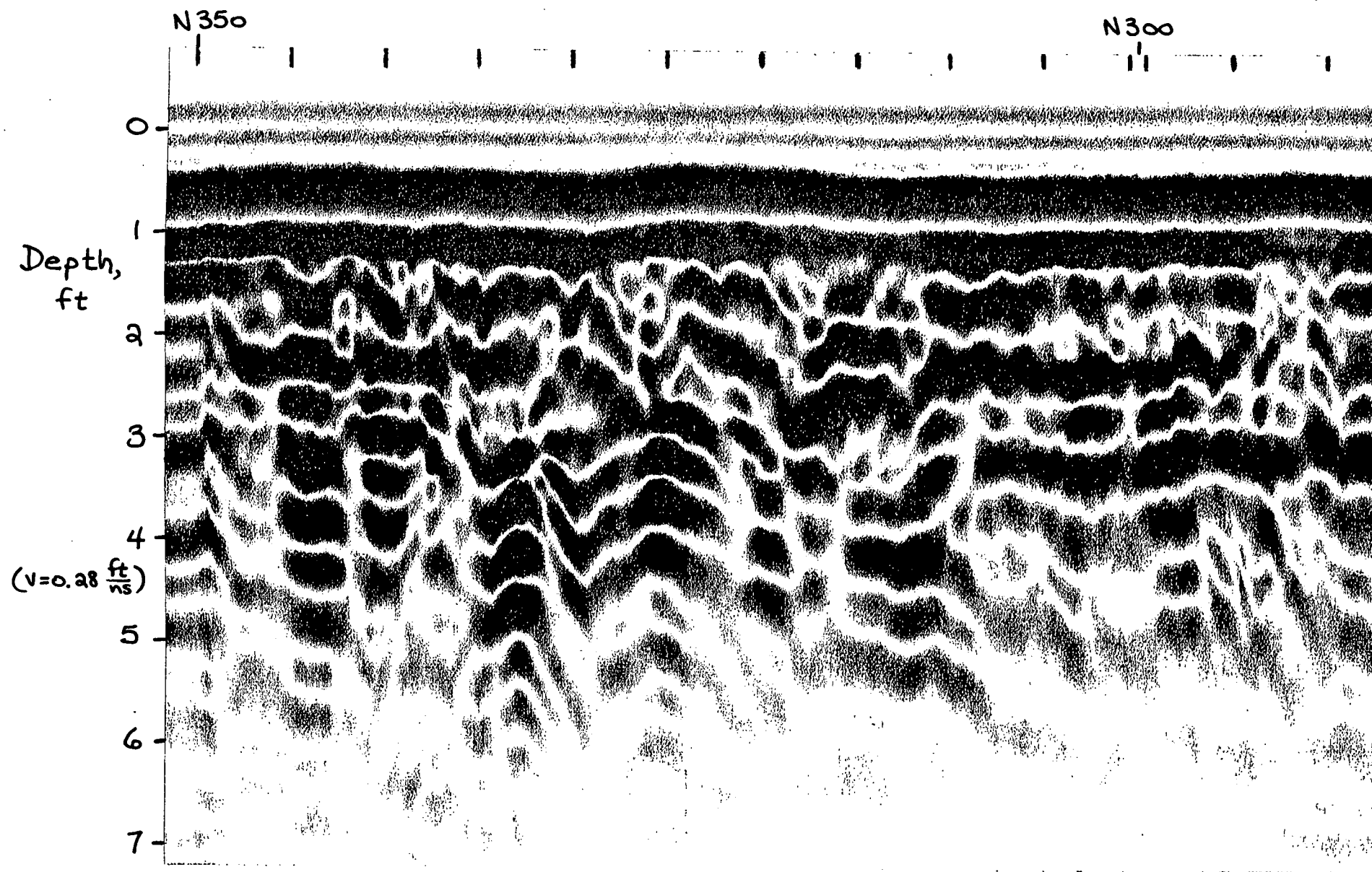


Figure 6

Robert

A RADAR SURVEY
AT THE BENJAMIN BANNEKER SITE

25 September 1985

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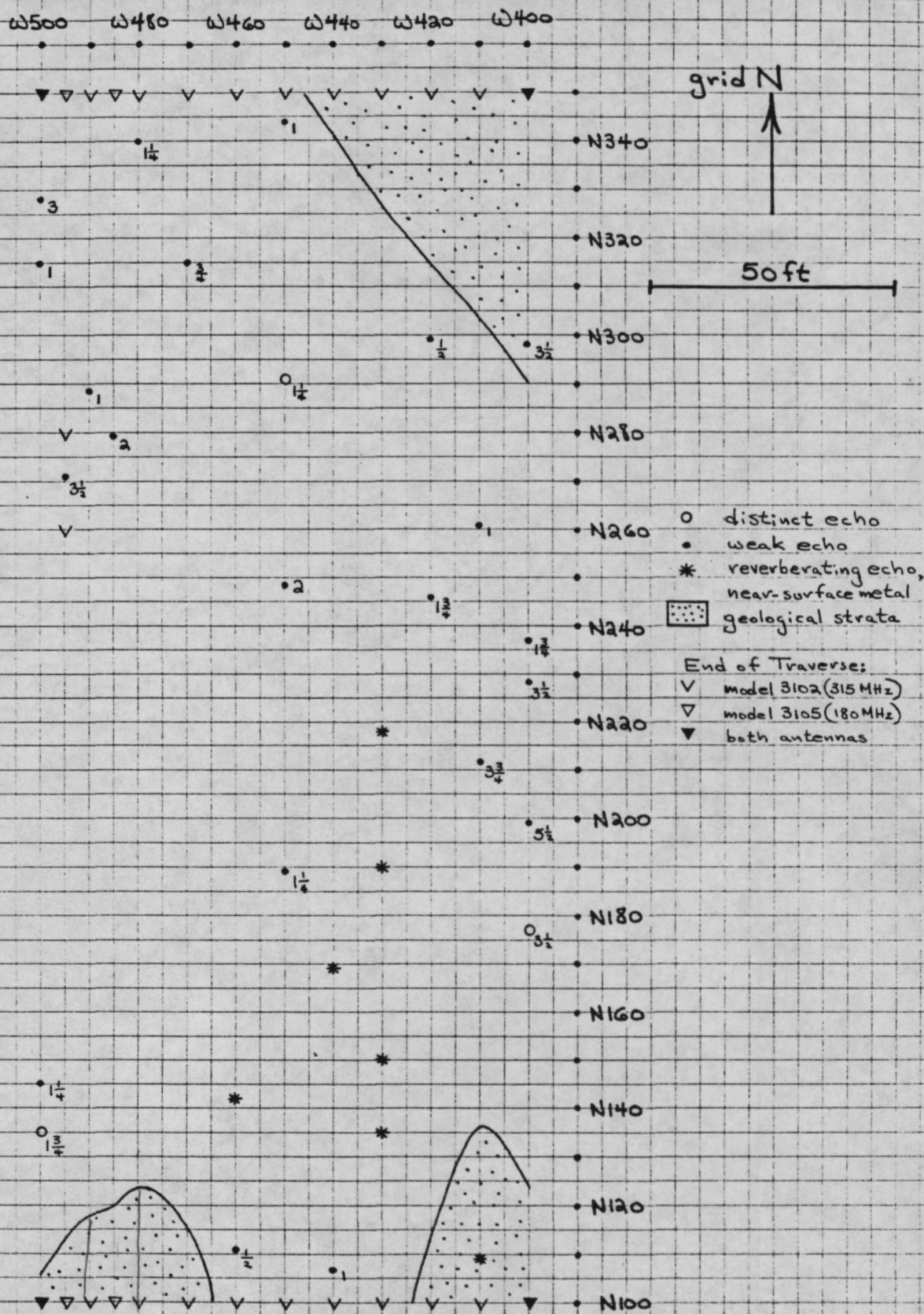
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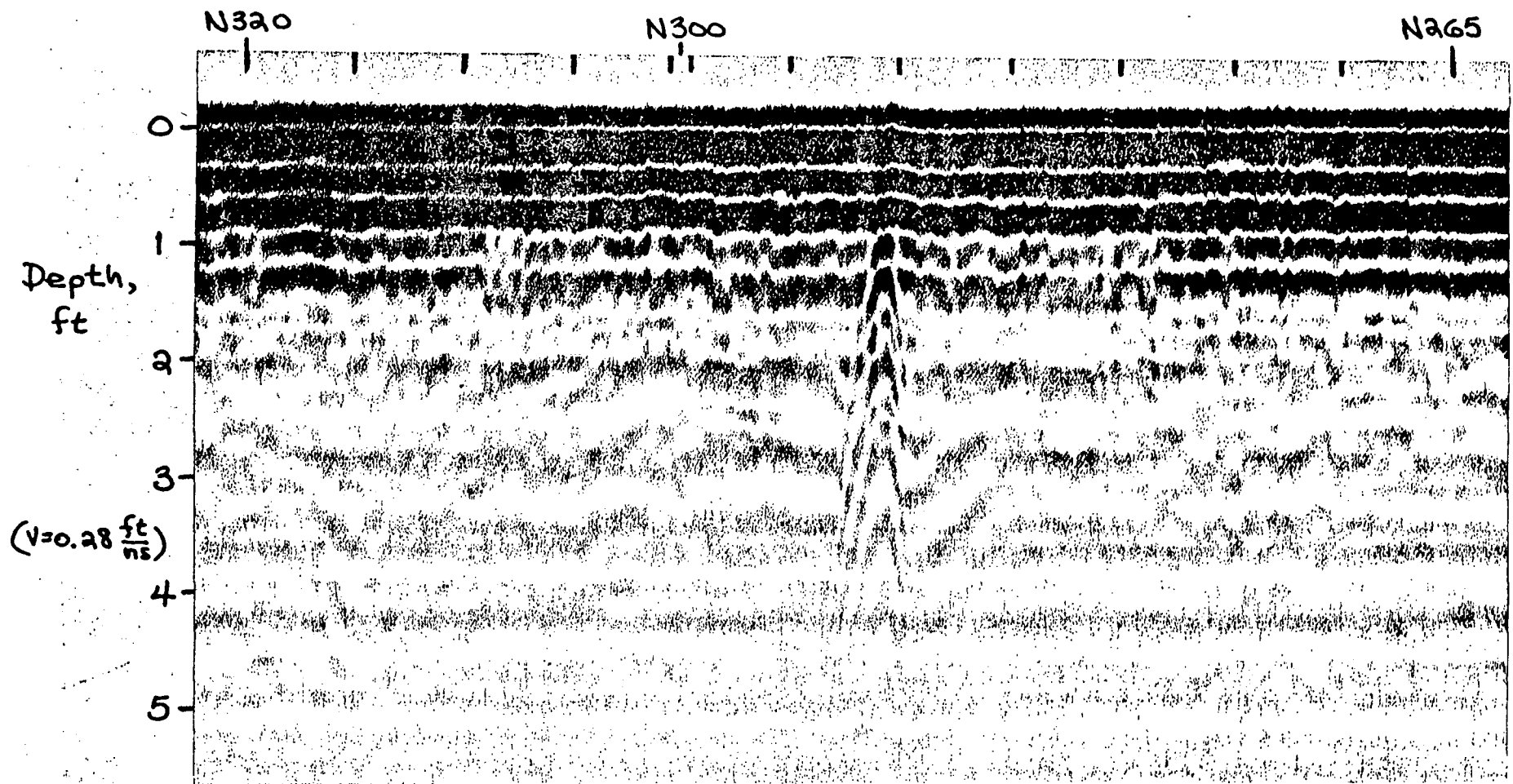


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line W450, markers at 5 ft intervals, model 310a (315 MHz) antenna, 5 Sep 85



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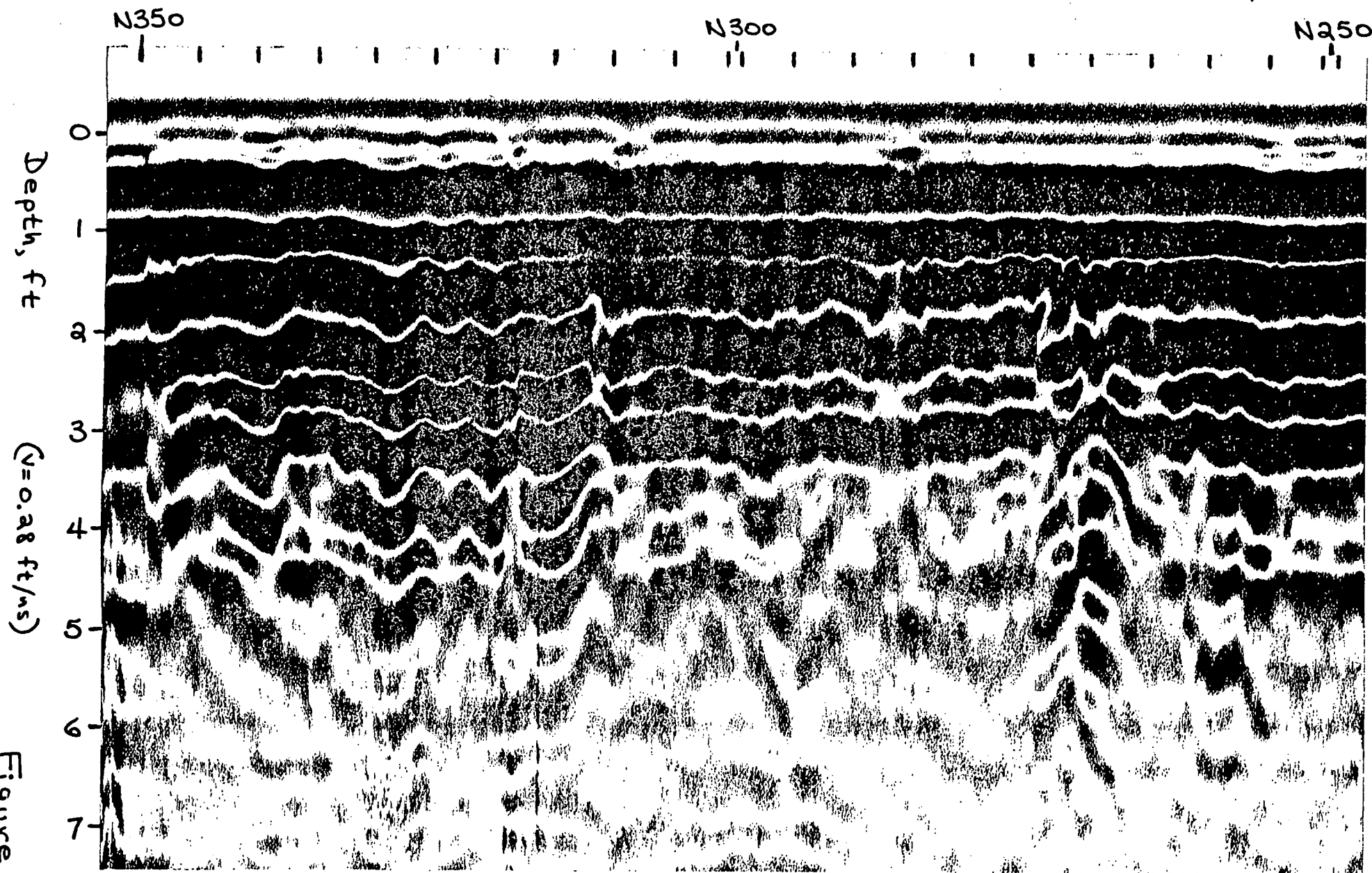


Figure 3

line W400
markers at 5 ft intervals
model 3102 (315 MHz) antenna
survey 6 Sep 85

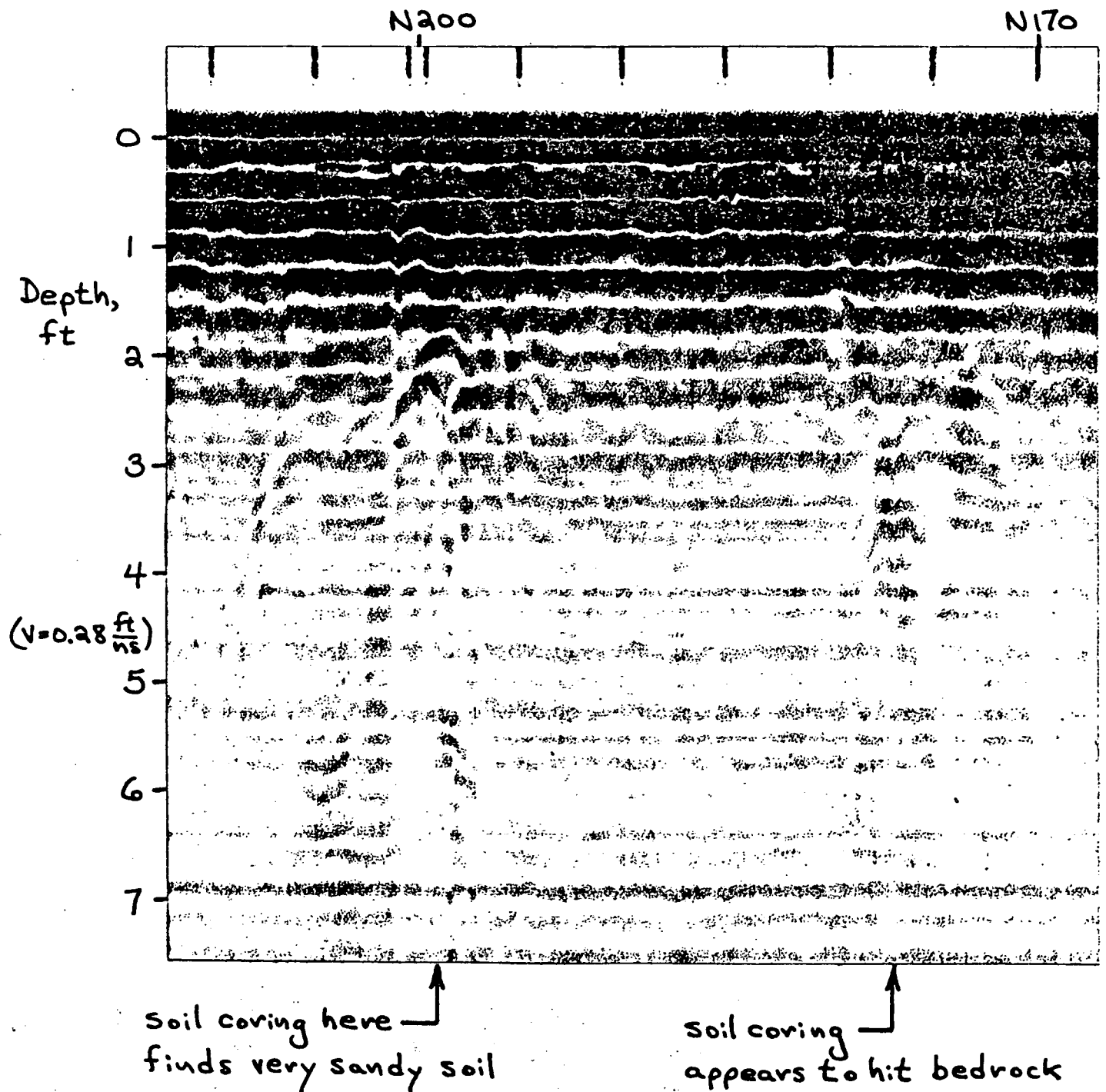


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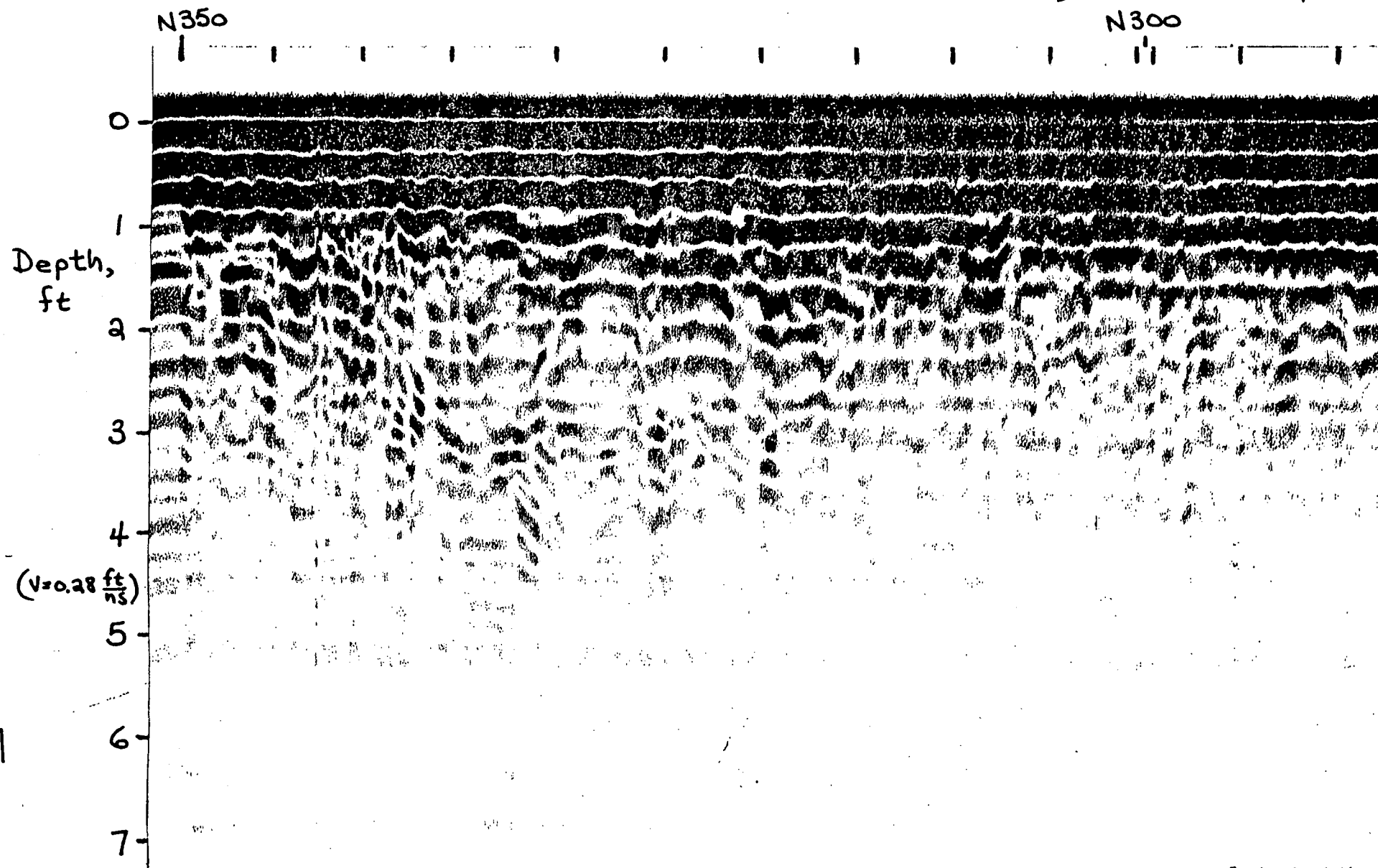


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line W400, markers at 5 ft intervals, model 3105 (180 MHz) antenna, 6 Sep 8.

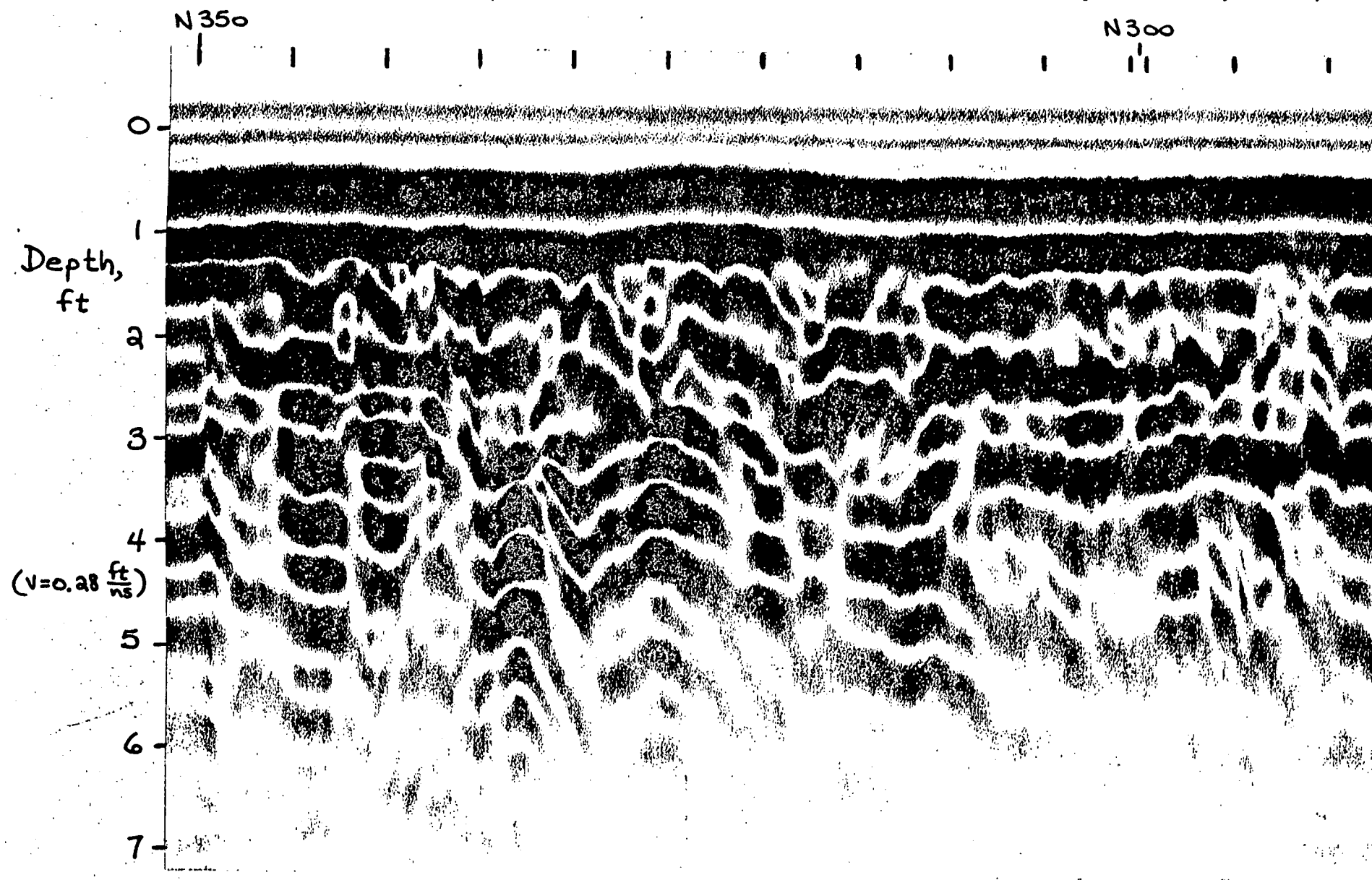


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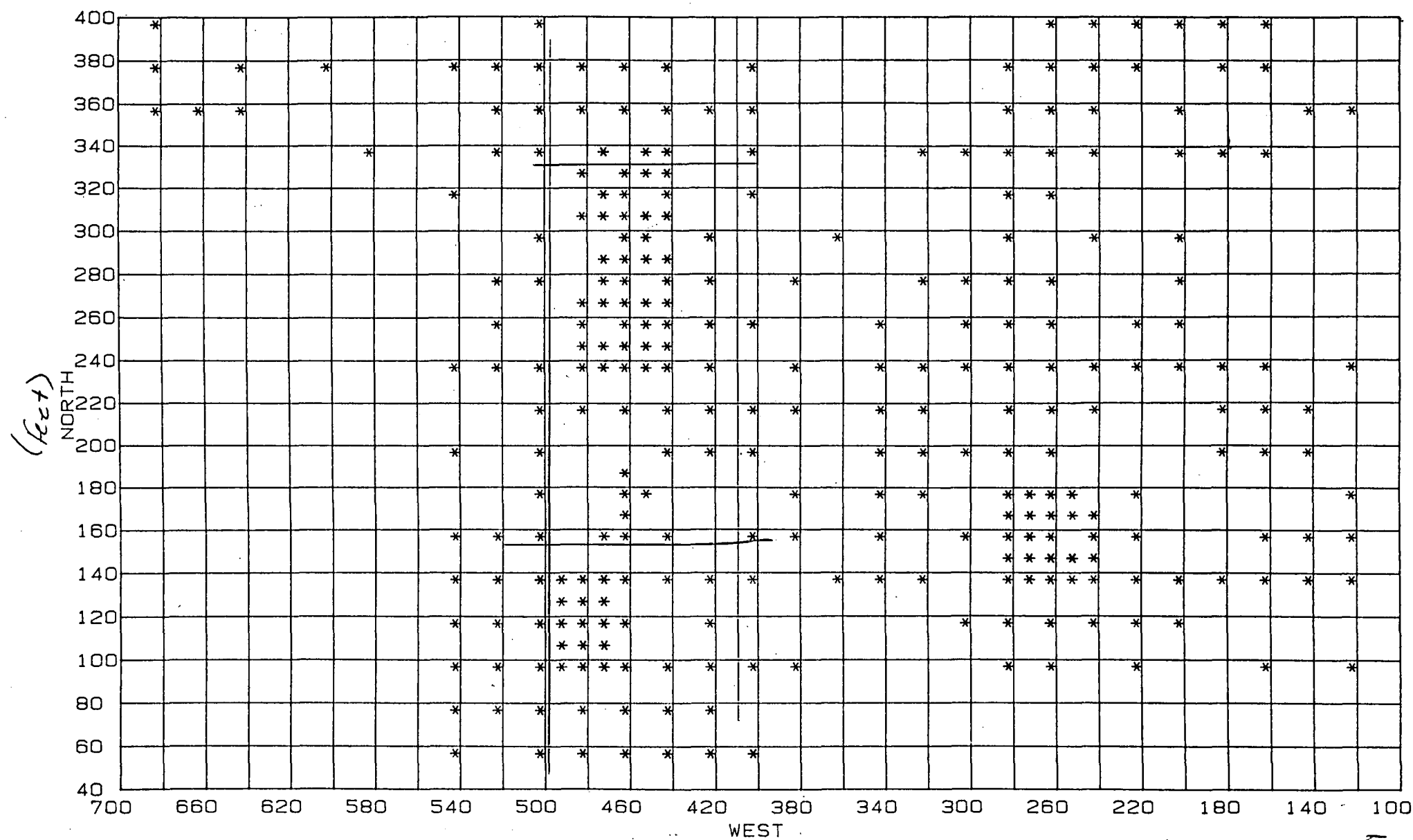
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SHOVEL TEST PITS WITH ARTIFACTS on 10' + 20' intervals



line W450, markers at 5 ft intervals, model 310a (315 MHz) antenna, 5 Sep 85

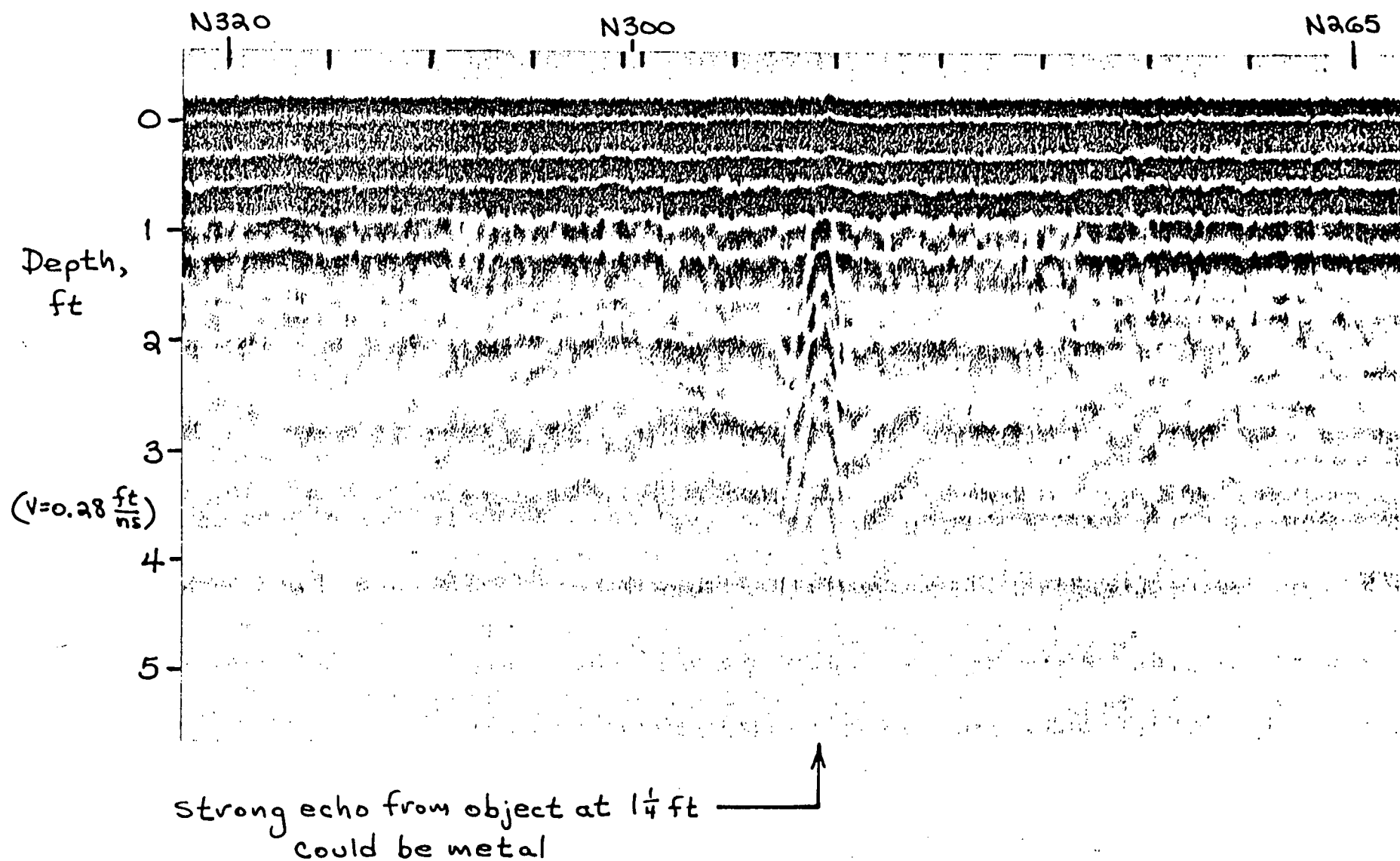


Figure 8

line W495, markers at 5 ft intervals, model 3105 (180 MHz) antenna, 6 Sep 85

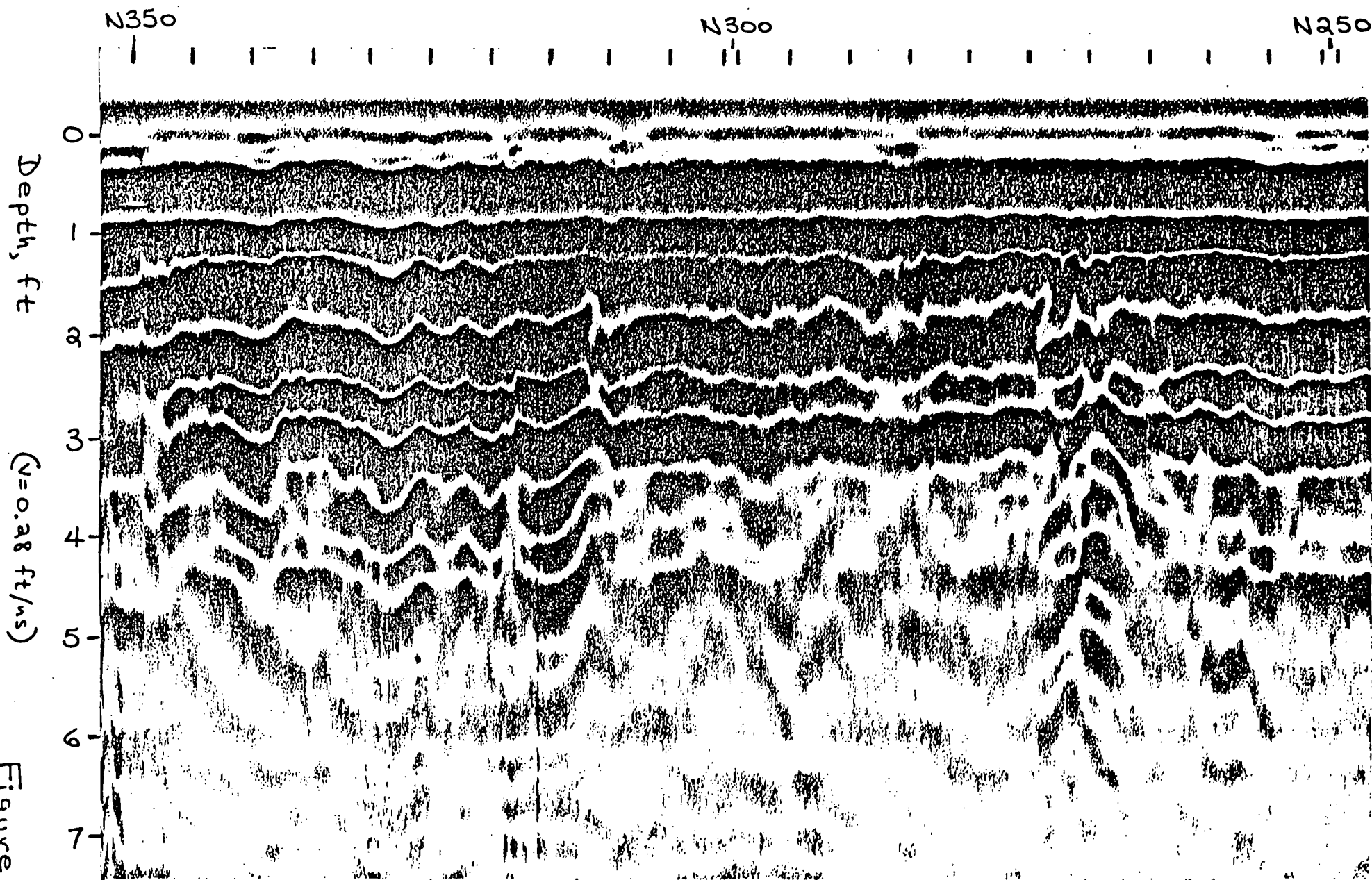


Figure 3

radar echo from object at $\approx 3\frac{1}{2}$ ft —
appears to be magnetic but not conductive

line W400
markers at 5 ft intervals
model 3102 (315 MHz) antenna
survey 6 Sep 85

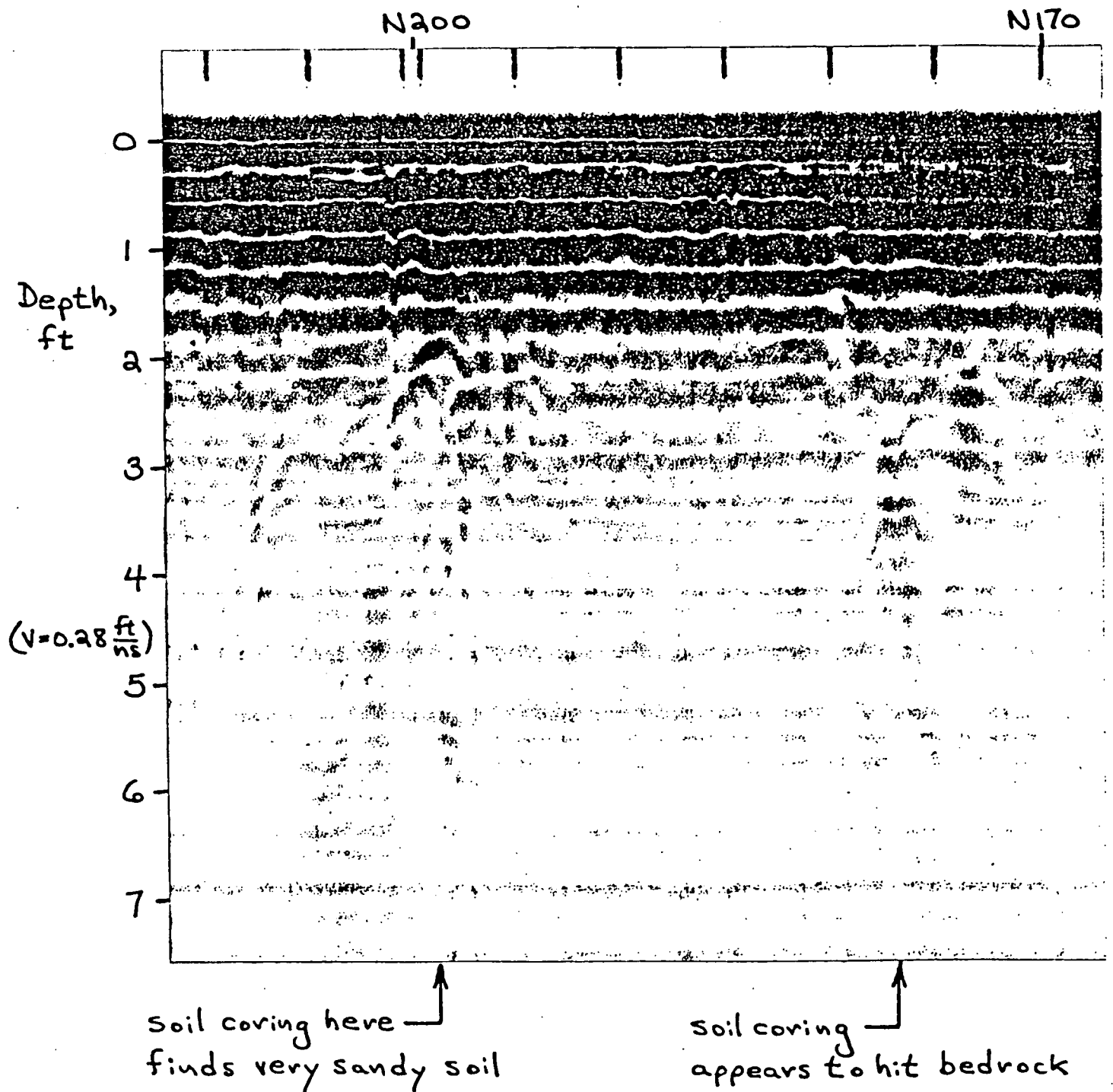


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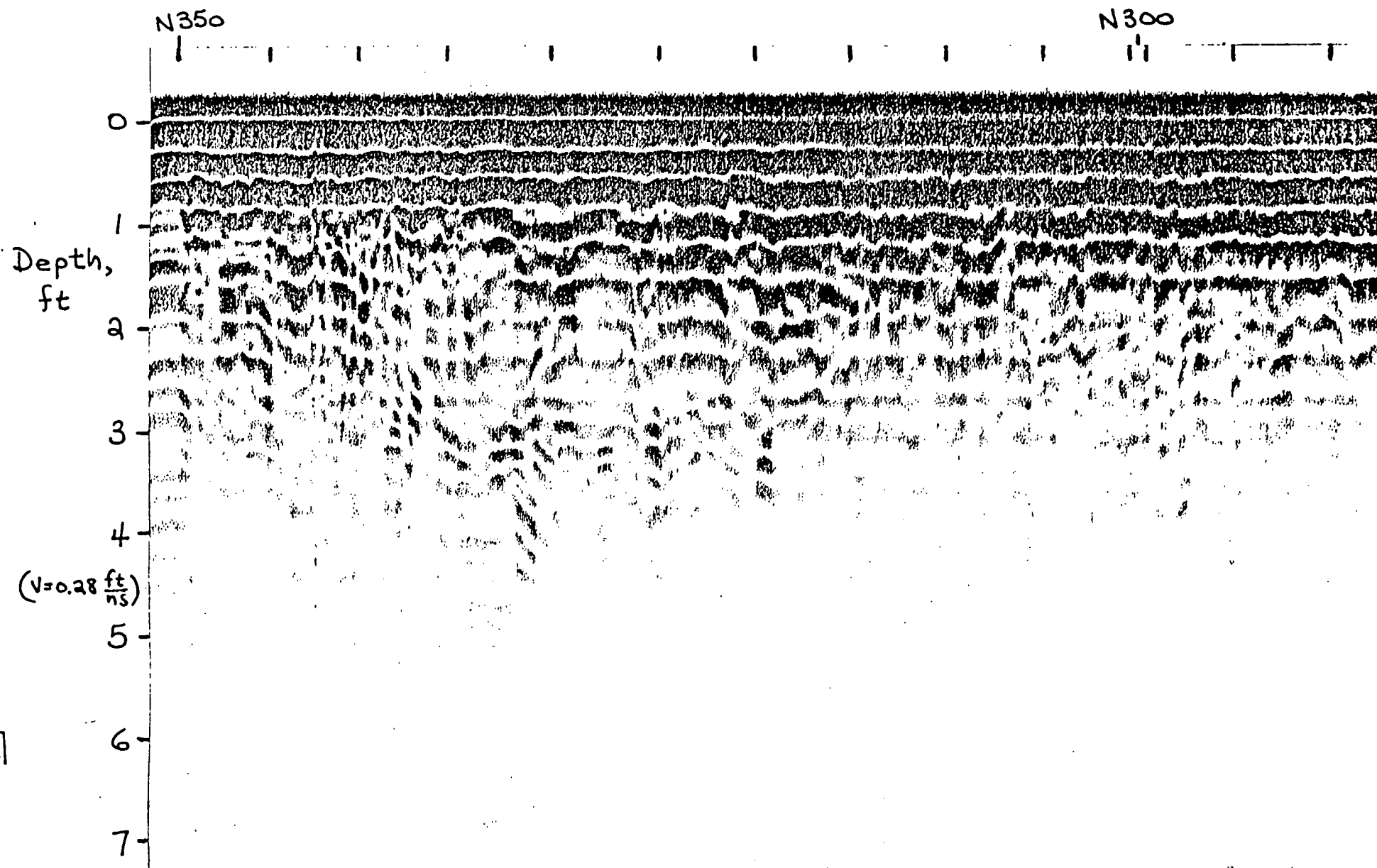


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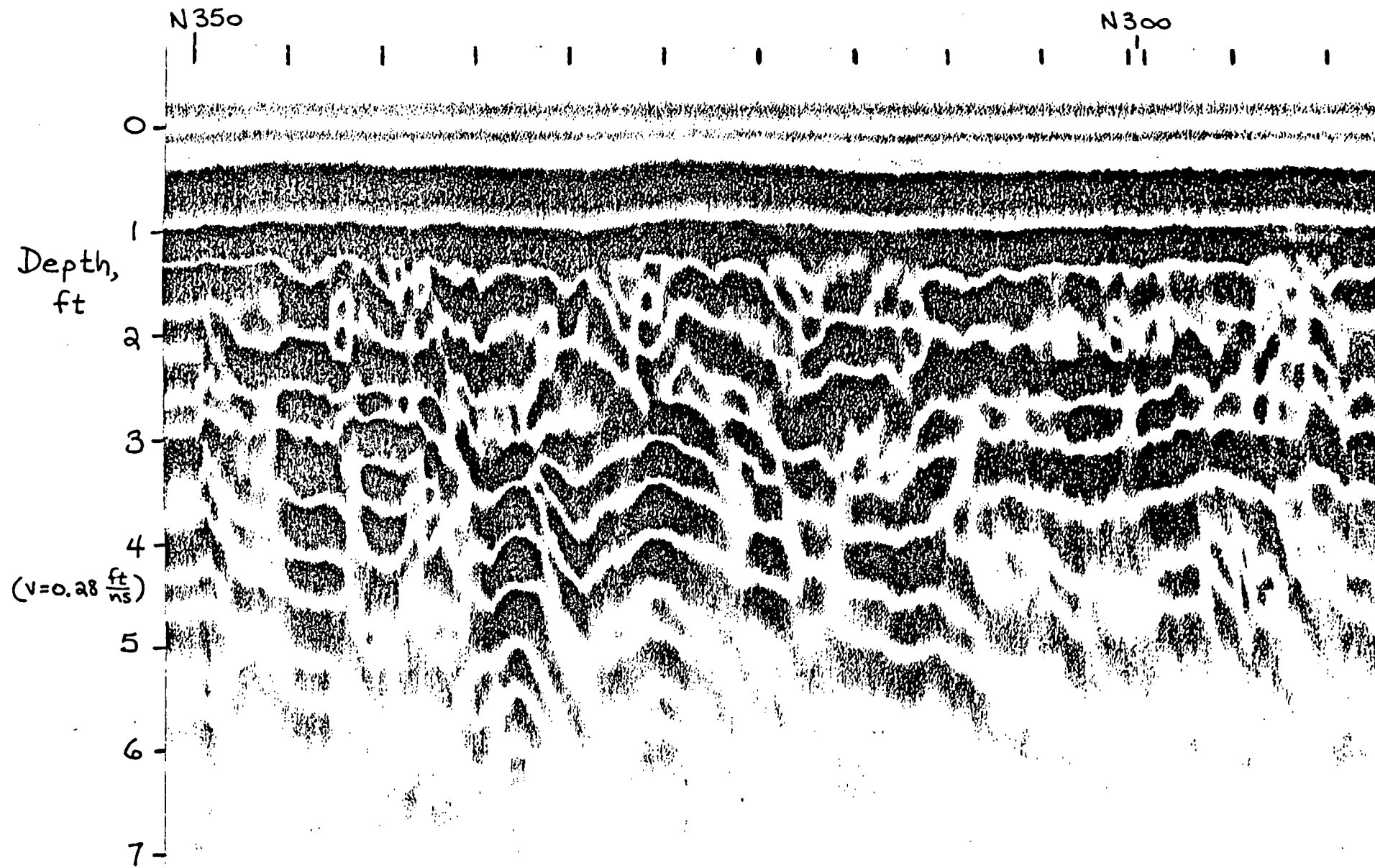


Figure 6

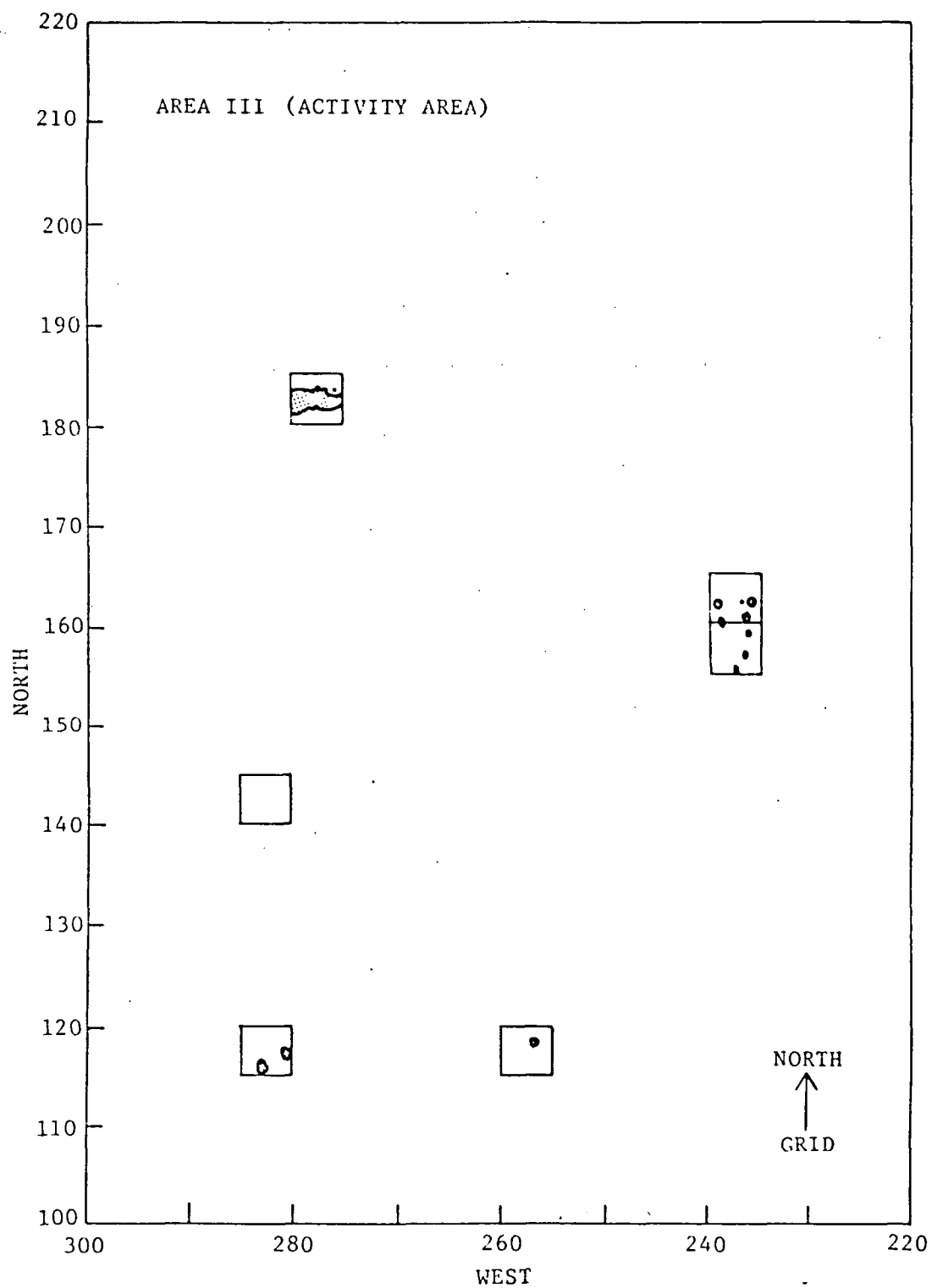


Figure 4: Benjamin Banneker Site, Study Area III

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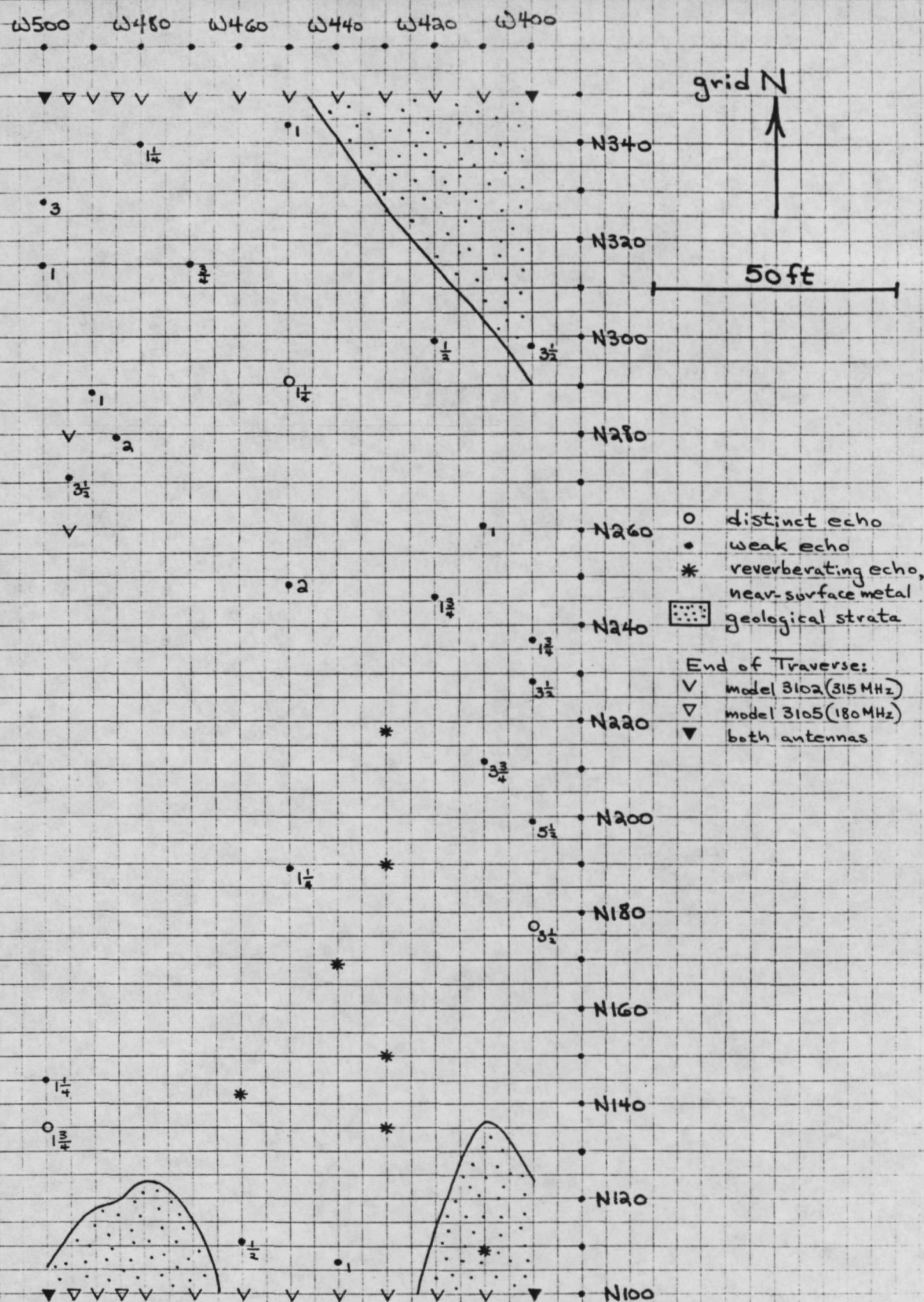
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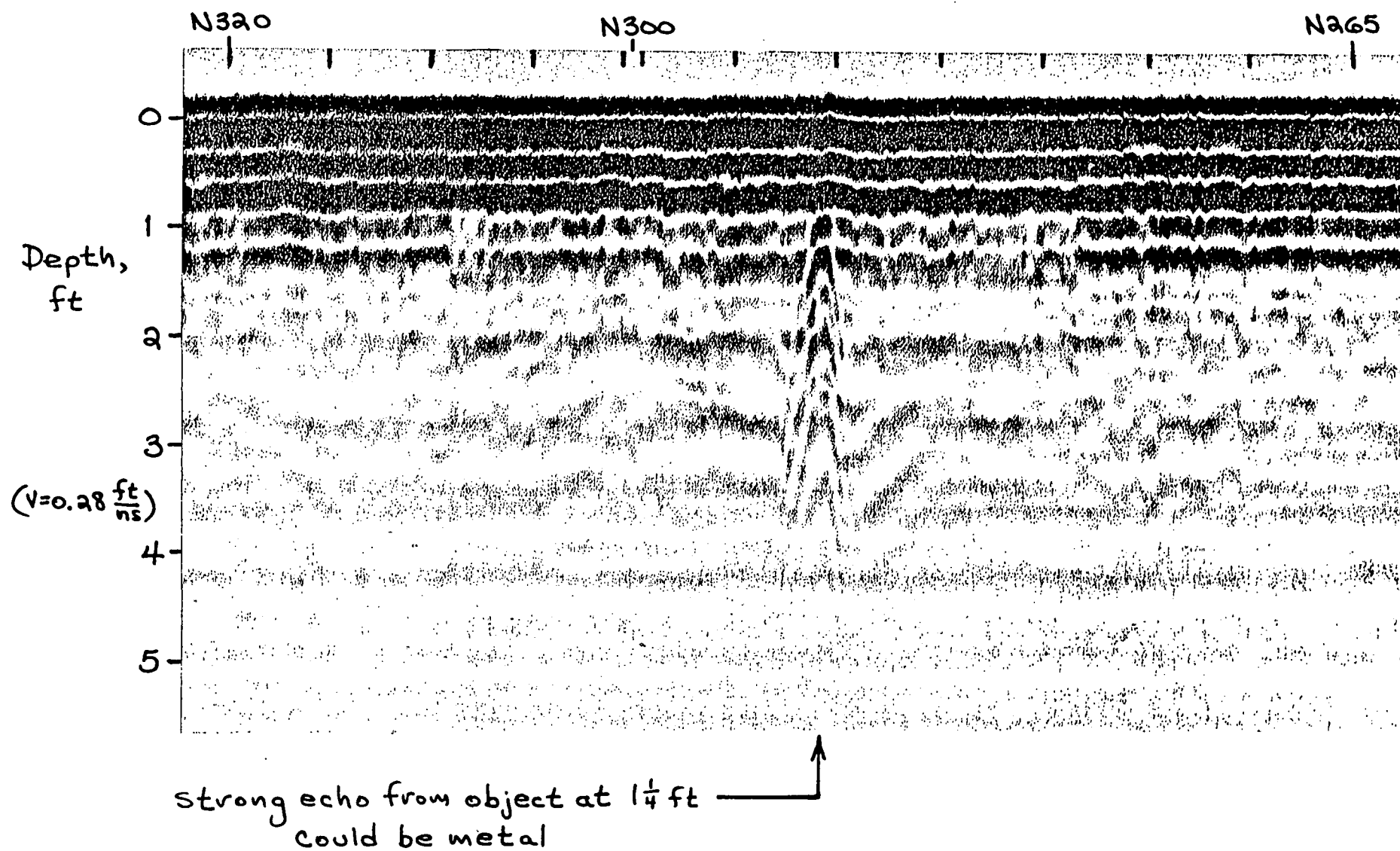
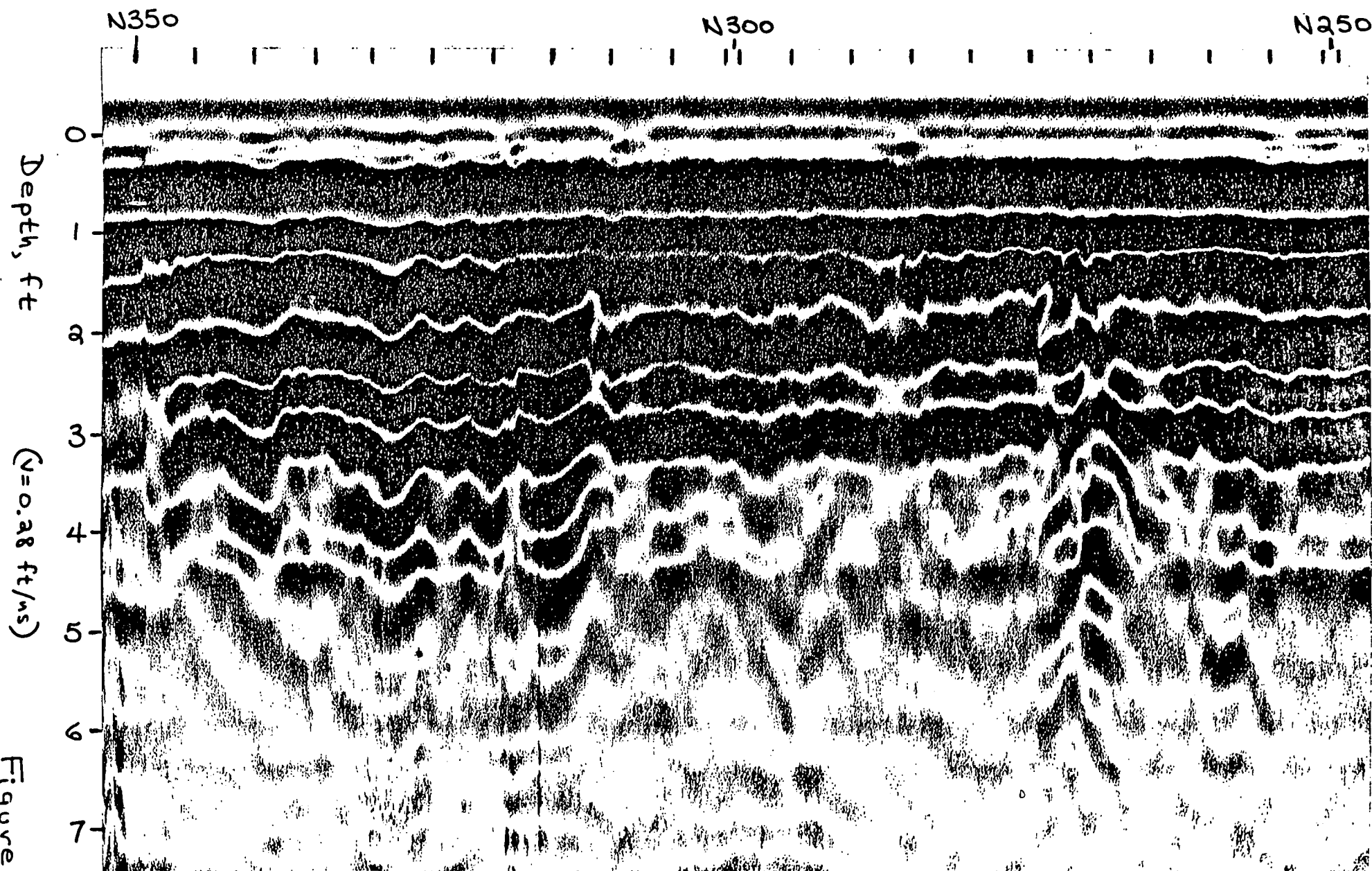


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markers at 5 ft intervals
model 3102 (315 MHz) antenna
survey 6 Sep 85

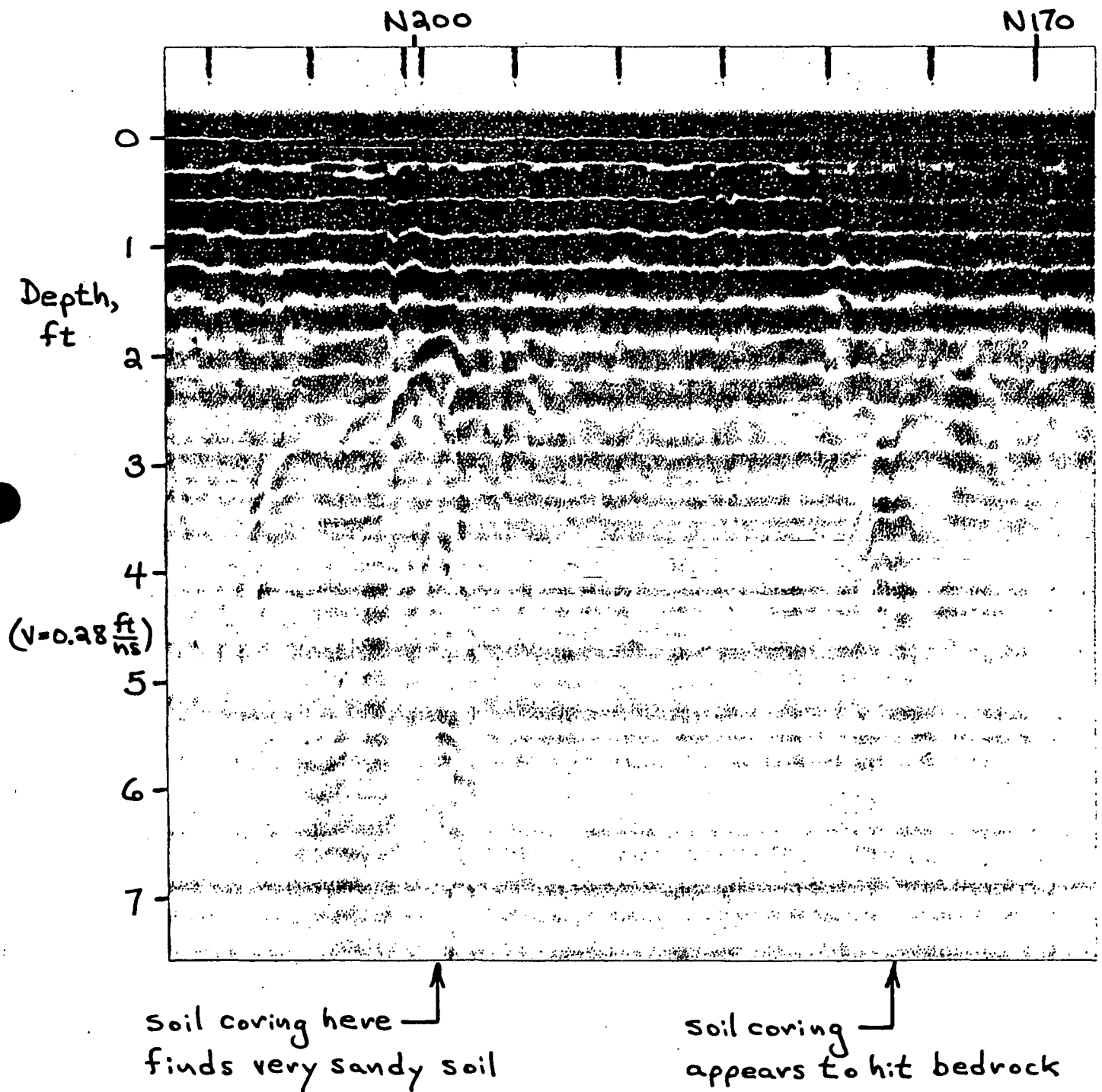


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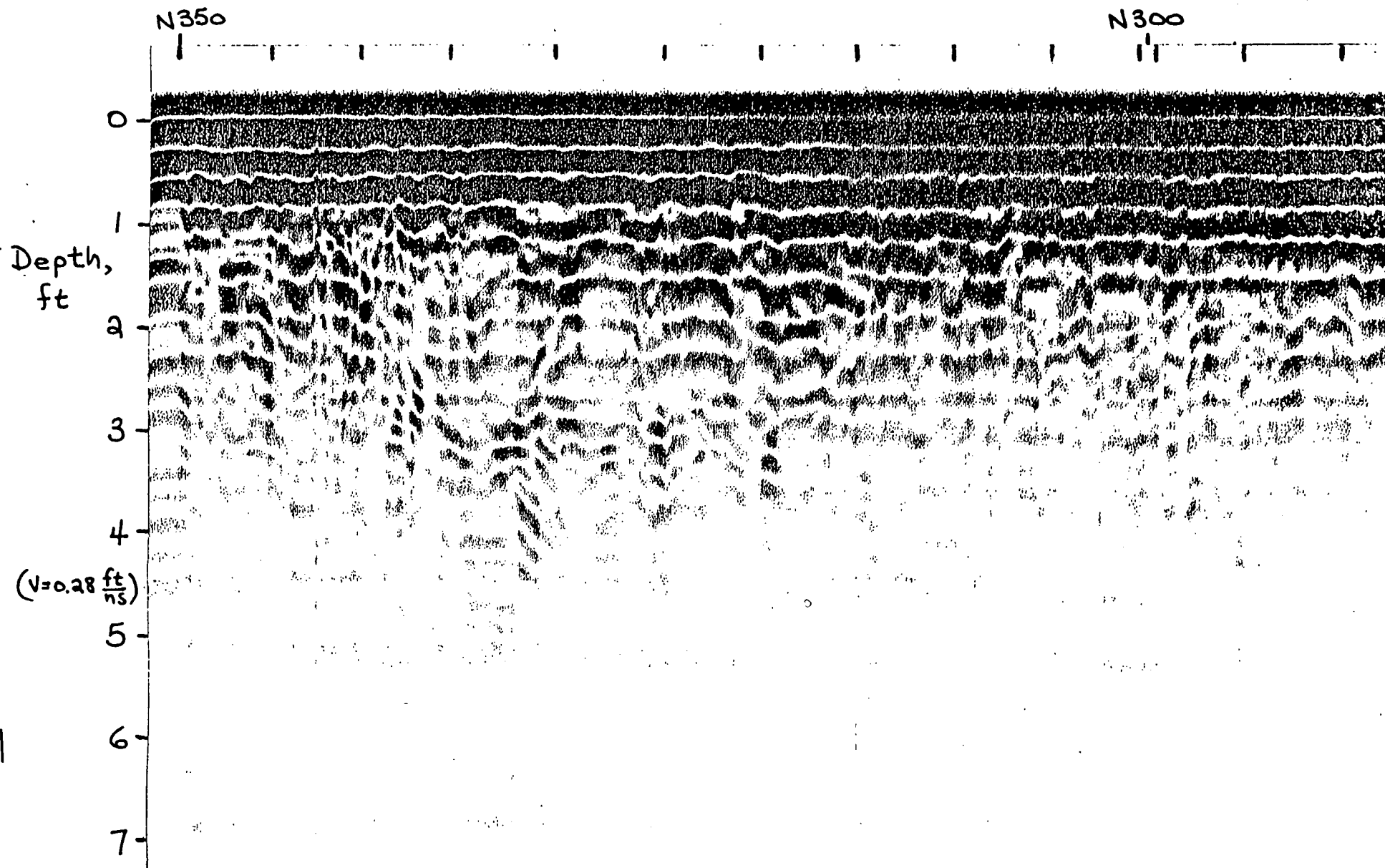


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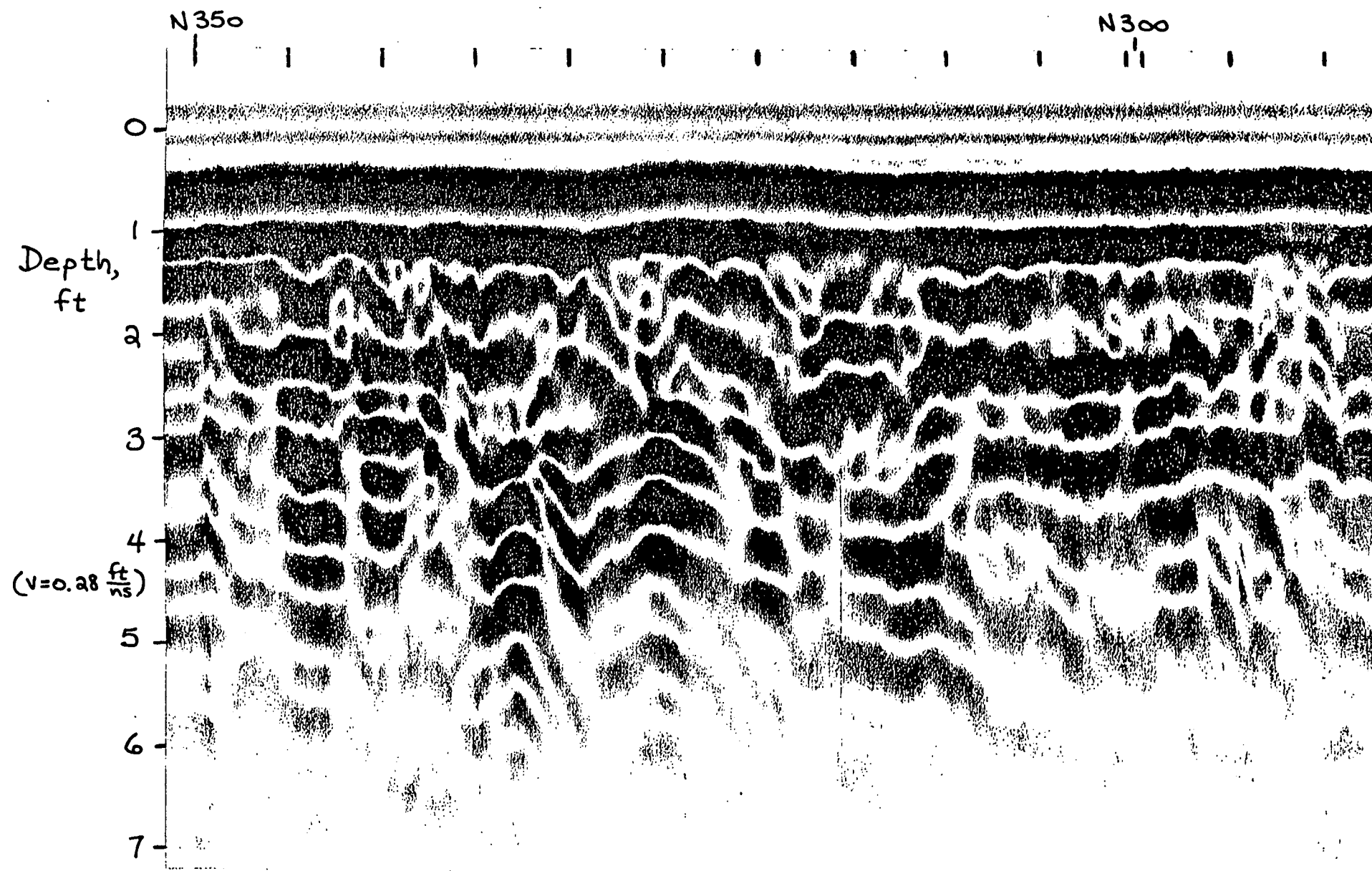


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